# IS-MINI LED BLINKING SOUNDER
# IS-mC1



Very economical visual and acoustic alarm.

- Certified for use in Ex-Zones 0, 1 and 2!
- Compact design with a diameter of just 88 mm.
- Alarm operated via certified zener barriers or galvanic isolators.
- 49 loud tones at 102 dB(A); super-bright LEDs in red, green, blue and yellow/amber for all applications.
- Volume control.
- Can be operated as combination unit or separately.
- Very well suited for fire alarm systems and direct control due to low power consumption.
- Self-synchronising sounder for clear tone perception.
- 2 different externally controllable tones.

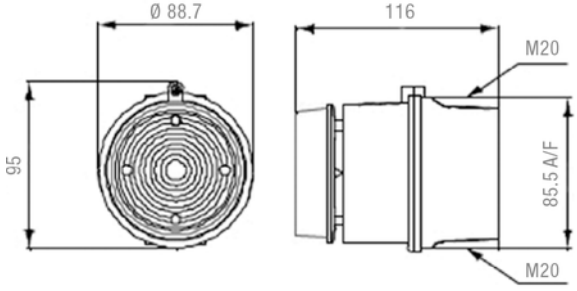
IP 65
protection system

+60 °C
–40 °C
operating temperature

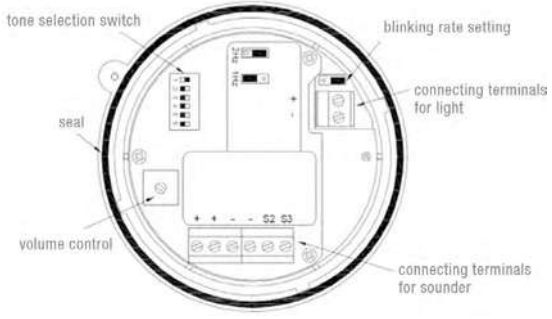
| PRODUCT | | IS-mC1 |
|---|---|---|
| DATA | | |
| Operating range | | 16–28 V DC |
| Nominal current consumption | | 48 mA (typical for connection to 24 V DC via 28 V / 300 Ω zener barrier) |
| Type of protection | | “ia” inherently safe |
| Explosion protection | | II 1G Ex ia IIC T4 –40 °C ... +60 °C Ta |
| Category (area of use) | | 1G (Zone 0) / 2G (Zone 1) / 3G (Zone 2) |
| Certificate / Testing body | | SIRA 05 ATEX2084 X / SIRA |
| Sound pressure level | | 102 dB(A) |
| Sound pressure level @DIN-tone | | 98 dB(A) |
| Sound level reduction | | by –20 dB |
| Flash rate | | can be set to 2 Hz or 1 Hz |
| Light source | | LED |
| Storage temperature | | 7 cd |
| Relative humidity | | –40 °C ... +70 °C |
| Protection system (EN 60529) | | 90 % |
| Duty cycle | | IP 65 |
| Material | housing | 100 % |
| | lens | ABS, self-extinguishing UL94V0 & 5VA, similar to RAL 3000 (flame red) |
| Connecting terminals | | polycarbonate (PC) |
| Cable entry | | 0.5–2.5 mm² |
| Weight | | 2x M20 (knock-outs prepared) |
| Gewicht | | 280 g |

Power must be connected via a zener barrier (max. 28 V DC, 93 mA DC, 0.66 W) or a galvanic isolator, specified by the system certificate.

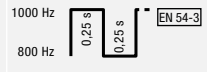
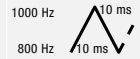
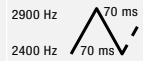
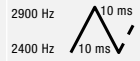
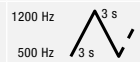
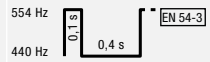
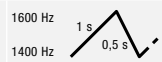
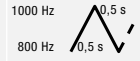
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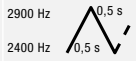
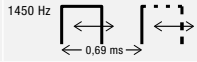
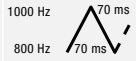
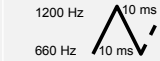
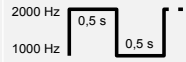
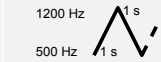



## ANSCHLUSSBILD



## TONE TABLE

| NO. | DESCRIPTION – FREQUENCY | | STAGE 2 | STAGE 3 |
|---|---|---|---|---|
| 1 | Continuous tone |  | 2 | 5 |
| 2 | Alternating tone, UK BS5839-1 (fire alarm, railway crossing) |  | 17 | 5 |
| 3 | Slow whoop, evacuation alarm Netherlands NEN 2575 |  | 2 | 5 |
| 4 | Sweeping (fast) |  | 6 | 5 |
| 5 | Continuous tone |  | 3 | 20 |
| 6 | Sweeping |  | 7 | 5 |
| 7 | Sweeping (fast) |  | 10 | 5 |
| 8 | Sweeping |  | 2 | 5 |
| 9 | Sawtooth, DIN-Ton 33404-3 Germany (emergency signal), PFEER PTAP |  | 15 | 2 |
| 10 | Alternating tone |  | 7 | 5 |
| 11 | Interrupted tone |  | 2 | 5 |
| 12 | Alternating tone |  | 4 | 5 |
| 13 | Interrupted tone |  | 15 | 5 |
| 14 | Interrupted tone |  | 4 | 5 |
| 15 | Continuous tone |  | 2 | 5 |
| 16 | Interrupted tone |  | 18 | 5 |
| 17 | Alternating tone, France NFS 32-001 (fire alarm) |  | 2 | 27 |
| 18 | Interrupted tone, Sweden SS031711 (air raid warning) |  | 2 | 5 |
| 19 | Sweeping, France NFC48-265 |  | 2 | 5 |
| 20 | Continuous tone, Sweden SS031711 (all-clear signal) |  | 2 | 5 |
| 21 | Alternating tone |  | 2 | 5 |
| 22 | Interrupted tone |  | 2 | 5 |
| 23 | Interrupted tone |  | 6 | 5 |
| 24 | Sweeping (medium), UK BS5839-1 |  | 29 | 5 |

| NO. | DESCRIPTION – FREQUENCY | | STAGE 2 | STAGE 3 |
|---|---|---|---|---|
| 25 | Sweeping |  | 29 | 5 |
| 26 | Simulated bell |  | 2 | 15 |
| 27 | Continuous tone |  | 26 | 5 |
| 28 | Continuous tone |  | 2 | 5 |
| 29 | Sweeping (fast), UK BS5839-1 |  | 7 | 5 |
| 30 | Continuous tone |  | 2 | 5 |
| 31 | Sweeping |  | 26 | 5 |
| 32 | 2-tone bell sound |  | 26 | 15 |
| 33 | Interrupted tone |  | 2 | 5 |
| 34 | Alternating tone, Singapore |  | 38 | 45 |
| 35 | Interrupted tone, Australian alert |  | 35 | 5 |
| 36 | Sweeping, IMO 3d, Germany KTA3901 evacuation alarm |  | 35 | 3 |
| 37 | Continuous tone |  | 9 | 45 |
| 38 | Continuous tone |  | 34 | 45 |
| 39 | Interrupted tone |  | 23 | 17 |
| 40 | Alternating tone, France NFS 32-001 (fire alarm) |  | 31 | 27 |
| 41 | Motor siren |  | 2 | 5 |
| 42 | Motor siren |  | 2 | 5 |
| 43 | Continuous tone, PFEER gas alarm |  | 2 | 5 |
| 44 | Motor siren |  | 2 | 5 |
| 45 | Interrupted tone, PFEER (general alarm) |  | 38 | 34 |
| 46 | Sawtooth, DIN-Ton 33404-3 Germany (emergency signal) |  | 47 | 37 |
| 47 | Interrupted tone, PFEER (general alarm) |  | 46 | 37 |
| 48 | Interrupted tone, Australia AS2220, AS1610, AS1670 |  | 49 | 5 |
| 49 | Sweeping, IMO 3d, Germany KTA3901 evacuation alarm |  | 26 | 37 |

| ARTICLE NO. | IS-mC1 |
|---|---|
| LED colour | 24 V DC |
| ● | 32035804000 |
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| ● | 32035807000 |